

**REMARKS**

In the Office Action mailed on August 25, 2005, the Examiner has stated that the claims originally submitted apply to three "patentably distinct species of inventions" and has required an election of one species.

1. The Applicant has complied with this requirement and elected the Species, as claimed by the Examiner, starting with Claim 12 for examination. The Applicant does so with objection as the Applicant believes the Examiner is incorrect, as pointed out below, in stating that different Species are involved.
2. The Examiner has stated that "Species II, claims 12-15, are draw to a liquid cooling system comprising one conduit coupled to a hot region, representative Fig. 1, 3, 4A." Applicant disagrees with this characterization. Figures 1, 3, 4A as well as Figures 4B and 5 are included as background descriptions of various liquid cooling systems with which the invention of the this application can be used in. However, the heat transfer unit or system as described in all of those figures is not the heat transfer unit claimed in any of the claims originally submitted or as amended.
3. Independent claims 1, 12 and 16 as originally claimed (and in the amended claims herein) all pertain to the use of an electron conducting material, including peltier-effect devices, in the heat transfer unit and various configurations thereof. Consequently, the applicant contends that the Examiner is incorrect in this assertion and Applicant is making the election because of the Examiner's requirement to make an election.
4. Claim 12 as originally submitted and as currently amended pertain to the use of one electron conducting material element in the heat transfer unit. See, for example, paragraph [0093] of the

App. No. 10/715,322  
September 12, 2005 Amendment and  
Reply to Office Action mailed May. 26, 2005

Docket No. QNX003

Specification. The original Claim 12 and the amended claim 12 does not pertain to the heat transfer units described in Figs. 1, 3 & 4A

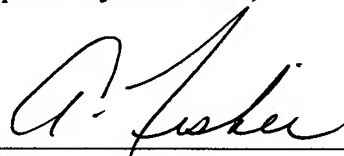
as implied by the examiner. Moreover claims 1 and 16 as originally submitted pertain to the use of more than one electron conducting material in heat transfer units. As such, the Examiner claim of patentably distinct Species is incorrect.

5. The amendments to the specification and drawings are editorial and intended to clarify or correct.

Should the Examiner have any further comments or issues, the Applicant respectfully invites the Examiner to contact the undersigned at the telephone number indicated below or at *art.fisher@patentdominionl.net*.

Respectfully submitted,

Date: 9/12/05

  
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IN THE DRAWINGS:

Figure 5 (Currently Amended) is replaced with the Figure 5 in the Replacement Sheet attached to this Reply and Amendment. An Annotated version of the original Figure 5 is also included depicting the change to this Figure. The change consists of breaking the connecting lines between elements 516 (the impeller) and 520 (a conduit) so that it is clear in Figure 5 that these separate elements. The attorney name and telephone number has also been changed.



## Annotated Sheet

Liquid Cooling System  
Inventor: Brian A. Hamman  
Docket No: QNX 003

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→ *Changed*

10 Sheets of Drawings

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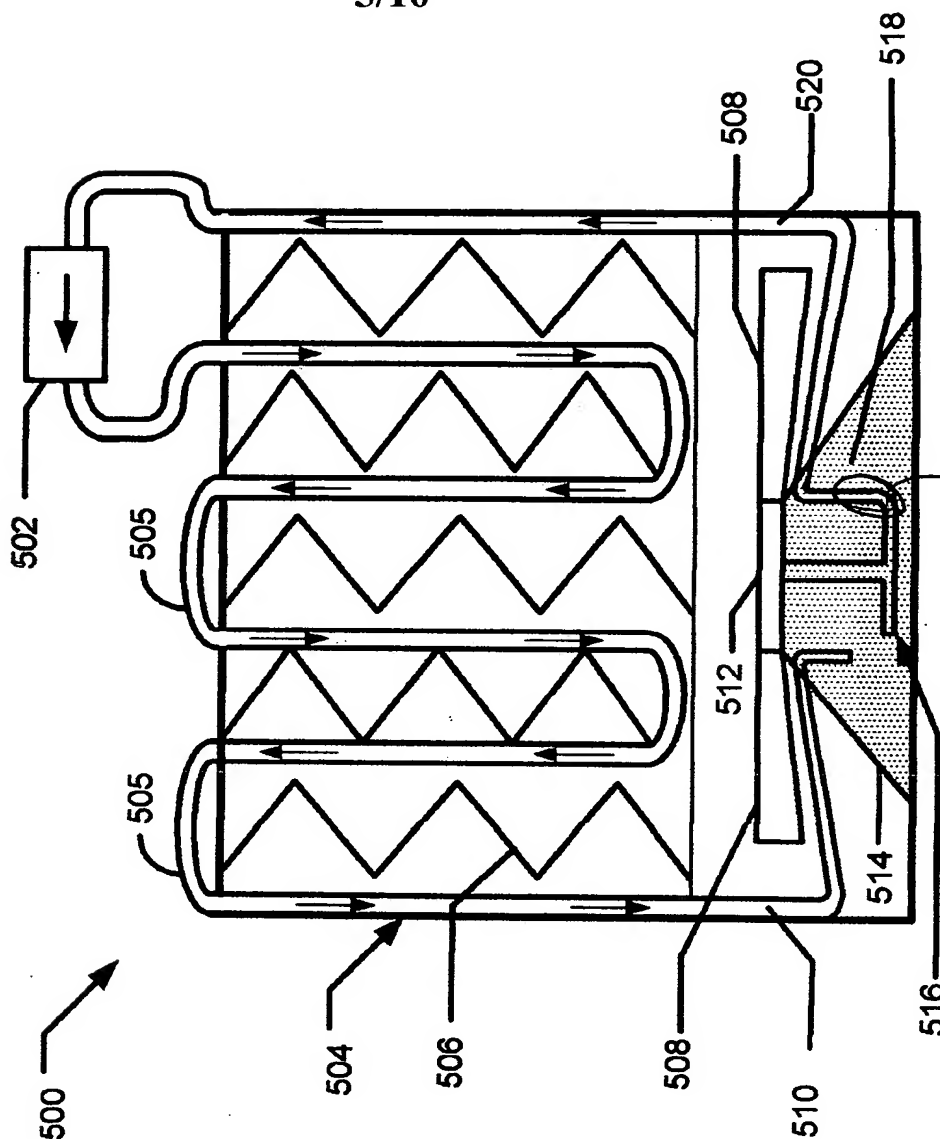


Fig. 5 *Section removed*